

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		DOCKET NO.: 59525 (71850)	SERIAL NO.: 10/613,984
APR 15 2004  APPLICANT(S): Ward R. Spears			
FILING DATE: July 3, 2003		GROUP NO.: 1774	

UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA 5,000,807	03/19/91	Stuart	156	166	07/10/89
	AB 5,182,839	02/02/93	Stuart	28	283	03/15/91
	AC 5,241,731	09/07/93	Stuart	28	282	10/19/92
	AD 5,580,627	12/03/96	Goodwin et al.	428	36.3	12/20/93
	AE 5,912,519	06/15/99	Horner et al.	310	74	04/07/98
	AF 6,150,742	11/21/00	Horner et al.	310	74	04/07/98
	AG US 2002/0056782 A1	05/16/02	Gabrys	242	437.3	09/11/01
	AH 5,122,417	8/16/92	Murakami et al.	428	371	9/16/88
	AI 6,247,382	6/19/01	Umeki et al.	74	572	8/5/99
	AJ 6,299,718	10/9/01	Kimura et al.	156	173	6/6/99
	AK 4,187,738	2/12/80	Knight, Jr. et al.	74	573	5/10/78
	AL 5,285,699	2/15/94	Walls et al.	74	572	2/21/92
	AM 4,207,778	6/17/80	Hatch	74	572	10/30/78
	AN 4,285,251	8/25/81	Swartout	74	572	9/13/78
	AO US 2002/0083791 A1	7/4/02	Detore et al.	74	572	10/19/01
	AP US 2002/0049430 A1	3/13/03	Spears	428	293	9/13/01
	AQ US 2002/0049429 A1	3/13/03	Spears et al.	428	293	9/13/01
	AR US 2002/0061898 A1	4/3/03	Brackett et al.	74	572	9/13/02

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES/NO
	BA EP 1 077 335 A1	21.08.2001	EUROPE	F16F	15/305	YES
	BB WO 03/026882 A1	3.4.03	PCT	D32B	15/04	

EXAMINER:	DATE:
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* The PTO did not receive this document.

Customer No.: 21874

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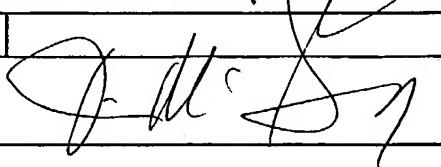
UNITED STATES PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AS	3,602,067	08/31/71	Wetherbee, Jr.	74	572	09/18/69
	AT	4,020,714	05/03/77	Rabenhorst	74	572	12/04/75
	AU	4,023,437	05/17/77	Rabenhorst	74	572	10/24/75
	AV	4,080,845	03/28/78	Hatch	74	572	09/17/76
	AW	4,370,899	02/01/83	Swartout	74	572	07/21/80
	AX	5,285,699	02/15/94	Walls, et al.	74	572	02/21/92
	AY	5,695,584	12/09/97	Gregoire	156	169	09/26/95
	AZ	5,811,900	09/22/98	Serdar, Jr., et al.	310	74	07/11/97
	AAA	6,138,527	10/31/00	Bitterly, et al.	74	572	03/23/98

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
	BC	JP-2000-55134	02/22/00	Japan	F16F	15/305	Abstract
	BD	WO 02/01311 A1	01/03/02	PCT	G05G	3/00	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER:		DATE: 6/04
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